PARUL UNIVERSITY
FACULTY OF MANAGEMENT
MBA, Summer 2017-18 Examination

Semester: 4   Date: 25/05/2018
Subject Code: 06205253   Time: 10:30am to 1:00pm
Subject Name: Information System and Audit Control   Total Marks: 60

Instructions
1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 Do as Directed.

A). Multiple choice type questions/Fill in the blanks. (Each of 1 mark)   (05)

1. It is necessary to protect information system from the following
   (i) natural disasters like fire, floods etc   (ii) hackers
   (ii) poorly trained employees   (iv) industrial spies

   a) ii, iii, iv   c) i, ii, iii,
   b) i, ii, iv   d) All of the above

2. In auditing with a computer
   a) auditing programs are designed and used to check a system
   b) system software is thoroughly checked to ensure error free operations
   c) the hardware of the computer is thoroughly checked for malfunctions
   d) auditors check system with a computer

3. An audit trail is established in a system to
   a) detect errors in a system
   b) localize the source of an error in a system
   c) enable auditing of a system
   d) trail a program

4. Audit in the design of information system is used to
   a) inspect the system and check that it is built as per specifications
   b) ensure that the system processes data as it was designed to and that the results are reliable
   c) protect data from accidental or intentional loss
   d) ensure privacy of data processed by it

5. A firewall is used in a system connected to a wide area network to
   a) prevent spread of fire in the network
   b) to scan for viruses in files
   c) prevent unauthorized access by hackers
   d) to extinguish fire spreading via network

B). Define the following. (Each of 1 mark)   (05)
   1. Information System
   2. Hacking
   3. Control
   4. Check Digit
   5. Post implementation audit

C). Direct questions. (Each of 1 mark)   (05)
   1. What is the difference between system effectiveness and system efficiency?
   2. State the steps to conduct system audit.
   3. Why digital signatures are needed in data communication systems.
   4. Differentiate between Cold site and Hot site.
   5. Differentiate between Black-box test and White-box test

Q.2 Answer the following questions.

   Write Short notes on:
A).   a. Wide area network topologies   (07)
             b. Local area network topologies

Explain DA & DBA responsibilities with respect to :
B).   **a.**   Definition Control   **(08)**
        b.   Concurrency Control

Q.3   Answer the following questions.
   A). Explain objectives of Information systems auditing.   **(07)**
   B). Explain various types of data input validation checks with relevant examples.   **(08)**
Q.4   Attempt any two questions.   **(Each of 7.5 mark)**   **(15)**

1. Briefly explain the following types of batch control total
   (i)   Document Count
   (ii)   Hash Total
   (iii)   Financial Total

2. Define the concept of control. Briefly explain the differences between a preventive control, a detective control and a corrective control. Give an example of each

3. "Expert systems can be of great use to auditors ". Support this statement by stating various reasons.

4. Companies often face security threats for its information systems, list and explain various threats and their remedial measures.